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Attorney Docket No. 1700.129 Confirmation No. 1021 **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Jonathan M. Collins et al.

Group Art Unit: 1646

Serial No. 10/604,022 Filed: June 23, 2003

For: MICROWAVE-ASSISTED PEPTIDE SYNTHESIS

June 3, 2004

Commissioner for Patents Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT CITATION UNDER 37 C.F.R. 1.97

Sir:

Attached is a list of documents on Form PTO/SB/08A together with a copy of each identified document. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and MPEP § 609.

Respectfully submitted,

Philip Suhma

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CERTIFICATE OF MAILING

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PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449A/PTO

Complete if Known

Application Number 10/604,022

Filing Date June 23, 2003

First Named Inventor Jonathan M. Collins et al.

Art Unit 1646

Examiner Name

(Use as many sheets as necessary)

Sheet 1 of 3 Attorney Docket Number 1700.129

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (d known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	^{US-} 2004/0020923 A1	02-05-2004	Collins et al.	
	2	^{US-} 2003/0199099 A1	10-23-2003	King et al.	
	3	^{US-} 2003/0089706 A1	05-15-2003	Jennings	
	4	^{US-} 2002/0117498 A1	08-29-2002	Jennings	
	5	^{US-} 6,288,379 B1	09-11-2001	Greene et al.	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ 'Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	τ°		
1*11****	7							
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO Complete if Known Application Number 10/604,022 Filing Date INFORMATION DISCLOSURE June 23, 2003 First Named Inventor STATEMENT BY APPLICANT Jonathan M. Collins et al. Art Unit 1646 (Use as many sheets as necessary) Examiner Name Attomey Docket Number Sheet 1700.129 3

	NON PATENT LITERATURE DOCUMENTS						
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (b magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, ci and/or country where published.					
	6	HUI-MING YU et al., Enhanced Coupling Efficiency in Solid-Phase Peptide Synthesis by Microwave Irradiation, The Journal of Organic Chemistry, August 28, 1992, pages 4781-4785, Vol. 57, No. 18, American Chemical Society 1992					
	7	MATE ERDELYI et al., Rapid Microwave-Assisted Solid Phase Peptide Synthesis; Synthesis 2002, August 22, 2002, pages 1592-1596, No. 11					
	8	SHUI-TEIN CHEN et al., The Studies of Microwave Effects on the Chemical Reactions, Journal of the Chinese Chemical Society, 1997, pages 169-182, Vol. 44, No. 3					
	9	SHUI-TEIN CHEN et al., Enhancement of Chemical Reactions by Microwave Irradiation; Journal of the Chinese Chemical Society, 1991, pages 85-91, Vol. 38. No. 1; Only 1 page Abstract enclosed					
	10	HERNANDO J. OLIVOS et al., Microwave-Assisted Solid-Phase Synthesis of Peptoids, Organic Letters, 2002, pages 4057-4059, Vol. 4, No. 23, 2002 American Chemical Society					
	11	N.S. RAO et al., Microwave Assisted High Yielding Preparation of N-Protected 2-Deoxyribonucleosides Useful for Oligonucleotide Synthesis, Necleosides, Nucleotides & Nucleic Acids, 2002, pages 393-400, Vol. 21 (4&5), Marcel Dekker, Inc., New York					
***************************************	12	CLAIRE M. COLEMAN et al., Microwave Parallel Library Generation: Comparison of a Conventional-and Microwave-Generated Substituted 4(5)-Sulfanyl-1H-imidazole Library, J. Comb. Chem., 2002, pages 87-93, Vol 4, American Chemical Society					
	13	Fluorous Technology in Discovery Applications, Fluorous Technologies, Inc., 2002-2003, http://fluorous.com/scavenging.html, 3 pages					
	14	LOUS CARPINO, Principal Research Interests, Department of Chemistry - Faculty Research Areas - Louis Carpino, University of Massachusetts, http://www.chem.umass.edu/Carpino/carpino.html 2 pages					
	15	Chemical Synthesis of Peptides, KVL, http://www.kemi.kvl.dk/~prh/html/research.htm, 9 pages					

Examiner	Date	
Signature	Considered	

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PTO/SB/08b (08-03)

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	Substitute fo	r form 1449B/PTO			Complete if Known			
					Application Number	10/604,022		
	INFO	RMATION [DISCLO	SURE	Filing Date	June 23, 2003		
STATEMENT BY APPLICANT					First Named Inventor	Jonathan M. Collins et al.	_	
					Art Unit	1646	_	
		(Use as many sheets	as necessary)		Examiner Name			
abla	Sheet	3	of	3	Attorney Docket Number	1700.129	フ	

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials* Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	16	KUNG-TSUNG WANG et al., Enhancement of Coupling Reaction in Peptide Synthesis by Microwave Irradiation, 12 pages					
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